

Title (en)
HYBRID CONSTRUCTION MACHINE

Title (de)
HYBRIDBAUMASCHINE

Title (fr)
ENGIN DE CHANTIER HYBRIDE

Publication
EP 2530207 A4 20170913 (EN)

Application
EP 10844598 A 20100129

Priority
JP 2010051219 W 20100129

Abstract (en)
[origin: EP2530207A1] A hybrid-type construction machine includes: an engine to drive a variable-volume-type hydraulic pump; a plurality of hydraulic actuators driven by a hydraulic pressure from the variable-volume-type hydraulic pump; and a motor generator driven by an electric power from an electric power accumulator to assist the engine. A maximum output of the variable-volume-type hydraulic pump is equal to or larger than a maximum output of the engine. When operating by setting an output of the variable-volume-type hydraulic pump larger than the maximum output of the engine, the engine is assisted by the motor generator.

IPC 8 full level
B60K 6/485 (2007.10); **E02F 9/20** (2006.01); **E02F 9/22** (2006.01); **F02D 29/04** (2006.01)

CPC (source: EP KR US)
B60K 6/485 (2013.01 - KR); **B60W 10/06** (2013.01 - EP US); **B60W 10/08** (2013.01 - EP US); **B60W 10/30** (2013.01 - EP US); **B60W 20/00** (2013.01 - EP); **B60W 30/1884** (2013.01 - EP US); **B60W 30/1888** (2013.01 - EP US); **E02F 9/20** (2013.01 - KR); **E02F 9/2075** (2013.01 - EP US); **E02F 9/22** (2013.01 - US); **E02F 9/2246** (2013.01 - EP US); **F02D 29/04** (2013.01 - EP KR US); **F02D 29/06** (2013.01 - EP US); **B60K 6/20** (2013.01 - EP US); **B60K 6/445** (2013.01 - US); **B60Y 2200/25** (2013.01 - EP US); **B60Y 2200/412** (2013.01 - EP US); **E02F 9/123** (2013.01 - EP US); **E02F 9/2091** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US)

Citation (search report)

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- [X] JP 2003329012 A 20031119 - KOMATSU MFG CO LTD
- [E] EP 2204504 A1 20100707 - KOBELCO CONSTR MACHINERY LTD [JP]
- [X] US 2004222000 A1 20041111 - OHTSUKASA NARITOSI [JP]
- See references of WO 2011092837A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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